Work Orde		3006		*108	3006*							Page 1
Revision ID:	646.3813 Strut Bracket		į.	Accept	*N900	040	100	)*	Setup	Start Stop	ı Vı .	S1*
1.00	10/07/13 10/07/13	Start Qty: 4.00 Req'd Qty: 4.00	*4* *4*		Cust Item Customer:						10.	
Approvals:		•	Date: 13-10-08	Tooling:		eate:			Run	Start Stop	*N *N	R1* R2*
Sequence ID/ Work Center II		Operation Description		Set Up/ Run Hours	Tool ID	Tool#	Plan Code	· Accept Qty	t Rej Qty		Reject Number	Insp. Stamp
<b>Draw Nbr</b> 646.3800	Rev N/C	ision Nbr										
*110 *110* Mill Conv Conventional Milling	g Machine	HAAS CNC VERTICAL  Memo  1-Machine p  DWG REV:	oer DWG	0.00 0.00 F.K.13/	1 13/11/0	7		<u> </u>		7		
		2- deburr an	d break all sharp edges		,							
*120 *120* QC Quality Control		QC2- Inspect parts off m	achine FAI/FAIB	0.00	MH 13/1	। /०९		5	- 	<b>y</b>		

										DQA:	Date:	
NCR:	es / No				WORK ORDER NON-C	10:	NFORM	MANCE / UPDATE		QA Closed:	Date:	à
Work Orde	or·				DISPOSITION			AGAI	NST DE	PARTMENT		
Part N	No				Rework Scrap Use-as-is Work Order Update		f Therm	Skid-tube Crosst  Machining Small  noforming Finis  Large Fab Compo	hing	4	Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other
Root				Descri	ption of work order update		Initial	Action		Sign &		
Cause	Date	Step	Qty	(	or Non-conformance	Ch	nief Eng	Description		Date	Verification	QC Inspector
Doc/Data												
Equip/Tooling												
Operator												
Material												
Setup						j						
Other												
Process												
Supplier												
Training									•			
Unapproved												
					F	AUI	T CATE	GORY				
Landi	ng Gear			·	General		_			_		
	Bending				Bend		Grain			Ovalized		Pressure/Forced
	Centre N	ot Concer	ntric to	o/s	BOM/Route		Hardwa	re		Over/Under	tolerance	Temperature/Cure
	Cracks				Broken/Damaged		Inspecti	on Incomplete		Part Incorre	ct	Weld
	Crushed/	Crimped.			Burrs		Instruct	ions Incomplete/Unclear		Part Lost/Mi	issing	Wrong Stock Pulled
	Cuffs				Contamination		Mainte	nance		Part Moved	•	•
	Heat Trea	ət			Countersink		Mislabe	led		Positioned V	Vrong	

Misread

Out of Calibration

Out of Sequence

Outside Dimensions

Offset

Power Loss/Surge

Other

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Inspection Strip in Tube

Torque Waves in Extrusion

Cut Too Short

Drill Holes

Drawing

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Work Ord October-07-13		8006		*108	3006*						Page 2
Item ID: Revision ID: Item Name:	646.3813 Strut Bracket	tidati i redituri der sinicedi. 1947 (1966) i side		Accept	*N900	)040	100	)* s	Setup Star Stop	i V	S1*
Start Date: Required Date: Reference:	10/07/13	Start Qty: 4.00 Req'd Qty: 4.00	*4* *4*		Cust Item Customer				·	"IN	<b>5</b> /", '
Approvals:		n:				Date:		R	Run Star Stop	171	R1* R2*
Sequence ID/ Work Center I	D	Operation Description QC8- Inspect parts - second	and check	Set Up/ Run Hours 0.00	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
QC Quality Control		Мето		0.00							
140		Outsource process-Anod	ize per QSI017 4.1.10.1	0.00				~~	/ 15	11	
Outsource4 Outsource process -	· Anodize	<b>Memo</b> Issue P/O to	atg: <u>22038</u>	0.00				LX		// <u>////</u>	
		I- Black An	odize as per Dwg 646.380	0							٠
		2- PRIME A	AS PER DWG, SEE NOTE	E #2							
		Certification	of Comformity is require	d							
\$150! \$*150*		Receive & Inspect for Da	amage & Mat'l Certs	0.00						2/1/2	12 E
Packaging		Memo		0.00						417	

											DQA:	Date:		
NCR: Ye	es / N	lo				WORK ORDER NON-C	O	NFORM	MANCE / UP	PDATE	QA Closed:	Date:		¥*
Work Order	r:					DISPOSITION				AGAINST DE	PARTMENT	/PROCESS		
Part No	-	!				Rework Scrap Use-as-is Work Order Update		Thern	Skid-tube Machining noforming Large Fab	Crosstube Small Fab Finishing Composite	4	Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other	
Root		·			· ·	ption of work order update	1	nitial		ction	Sign &			
Cause	Dat	e	Step	Qty	(	or Non-conformance	Ch	ief Eng	Desc	ription	Date	Verification	QC Inspect	or
Doc/Data	_													
Equip/Tooling	_											!		
Operator														
Material														
Setup														

## **FAULT CATEGORY Landing Gear** General Bend Bending Grain Ovalized Pressure/Forced BOM/Route Centre Not Concentric to O/S Temperature/Cure Hardware Over/Under tolerance Cracks Broken/Damaged Inspection Incomplete Part Incorrect Weld Crushed/Crimped. Burrs Instructions Incomplete/Unclear Part Lost/Missing Wrong Stock Pulled Cuffs Maintenance Contamination Part Moved Heat Treat Countersink Mislabeled Positioned Wrong Inspection Strip in Tube Cut Too Short Misread Power Loss/Surge Other Ripples in Bend Drill Holes Offset Torque Waves in Extrusion Drawing Out of Calibration Turning Sequence Finish Out of Sequence Wave/Twist in Tube Folio Outside Dimensions

Other
Process
Supplier
Training
Unapproved

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Work Orde		8006		*108	<b>106</b> *						Page 3
Revision ID:	646.3813 Strut Bracket		er da de vite eta itteritit	Accept	*N900	040	100	)* s	setup Star Stop	171	S1* S2*
Start Date: Required Date: Reference:	10/07/13 10/07/13	Start Qty: 4.00 Req'd Qty: 4.00	*4* *4*		Cust Item I Customer:	D:					
- Approvals:	Process Pla	n:			D:	ate:	-	R	Run Star	<sup>t</sup> *N	R1*
						ate:			Stop	*N	R2*
Sequence ID/ Work Center II	)	Operation Description QC5- Inspect part comple	eteness to step on W/O	Set Up/ Run Hours DAS 27 0.00 9-8	_	Tool#	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
*155* QC Quality Control		Memo		0.00							
¹80 *1! <b>Ջ</b> ∩*		Identify as per dwg & Sto	ock Location:87535					5x		/	3-12-3
Packaging Packaging		Memo	Y AS PER APICAL MPP-	0.00							-

0.00

0.00

QC21- Final Inspection - Work Order Release

Memo

190

\*190\*

Quality Control

DAS 26 9-89

Rm 13/12/03 MF 13/12-03

												DQA:	Date:	
NCR:	Yes	/ No					WORK ORDER NON-C	100	NFOR	MANCE / UPDATE		•		:
												QA Closed:	Date:	
Nork Ord	er:						DISPOSITION			AG	AINST DE	PARTMENT	/PROCESS	
Part NCR	No.						Rework Scrap Use-as-is Work Order Update		Thern	Machining Sma	istube all Fab ishing posite	4	Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other
Root					Des	crip	otion of work order update		nitial	Action		Sign &		
Cause		Date	Step	Qty		c	r Non-conformance	Ch	ief Eng	Description		Date	Verification	QC Inspector
oc/Data quip/Tooling perator faterial etup ther rocess upplier raining napproved														
							F,	AUL	T CATE	GORY				
Land	ing (	Gear				,	General					<b>-</b>		
		Bending Centre No Cracks Crushed/C Cuffs Heat Trea Inspection	Crimped, t n Strip in		O/S		Bend BOM/Route Broken/Damaged Burrs Contamination Countersink Cut Too Short		Instruct Mainte Mislabe Misread	on Incomplete ions Incomplete/Unclear enance		Ovalized Over/Under Part Incorred Part Lost/Mi Part Moved Positioned V Power Loss/	ct ssing Vrong	Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled Other
	$\vdash$	Ripples in					Drill Holes	_	Offset					
	$\vdash$	Torque W Turning Se		xtrusio	n		Drawing Finish	-	ł	Calibration Sequence				

Outside Dimensions

Wave/Twist in Tube

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

October-07-13 9:06:18 AM

Work Order ID:

108006

Parent Item:

646.3813

Parent Item Name:

Strut Bracket

**Start Date:** 10/07/13

Required Date: 10/07/13

Start Qty: 4.00

Required Qty: 4.00

**Comments:** 

IPP REV:A NEW ISSUE 12-10-22 JLM VERIFIED:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M7075T6A0.75X0.75X0. 060X0.060		Purchased	No		_, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		f	0.0000		0.463158			

7075T6 ANGLE .75" X .75" X .060" X .062"W

M123947

1, 25° C1 Ft 13/11/06

Could not pull mal!!

										DQA	Date:	
NCR: Y	es / No	)			WORK ORDER NON-O	COI	VFORM	MANCE / UP	DATE			,
		<del>": '</del>		·						QA Closed	: Date:	
Work Orde	er:				DISPOSITION				AGAINST D	EPARTMEN1	PROCESS	
Part N	No	1			Rework Scrap Use-as-is Work Order Update		Thern	Skid-tube Machining noforming Large Fab	Crosstube Small Fab Finishing Composite	<b>⊣</b>	Water Jet od. Eng. Coor. re/Packaging Supplier	Engineering Quality Other
Root				1	ption of work order update	1	Initial	Ac	tion	Sign &		
Cause	Date	Step	Qty	(	or Non-conformance	Ch	ief Eng	Desc	cription	Date	Verification	QC Inspector
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved												
						AUL	T CATE	GORY				11 MIN - 3 T THE
Landir	ng Gear			_	General		1		_	<b>7</b>	<u> </u>	٦.
	Bendin	-			Bend	$\vdash$	Grain		<u> </u>	Ovalized	ļ	Pressure/Forced
		Not Conce	ntric to	O/S	BOM/Route	_	Hardwa		<u> </u>	Over/Unde		Temperature/Cure
	Cracks			-	Broken/Damaged	$\vdash$	1	ion Incomplete		Part Incorre	<u> </u>	Weld
		d/Crimped	-		Burrs	<u></u>	1	ions Incomplete	/Unclear	Part Lost/N		Wrong Stock Pulled
1	Cuffs			1	Contamination	1	Mainte	enance		Part Moved		

Mislabeled

Out of Calibration

Out of Sequence

Outside Dimensions

Misread

Offset

Positioned Wrong

Power Loss/Surge

Other

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Heat Treat

Inspection Strip in Tube

Torque Waves in Extrusion

Countersink

Cut Too Short

Drill Holes

Drawing

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

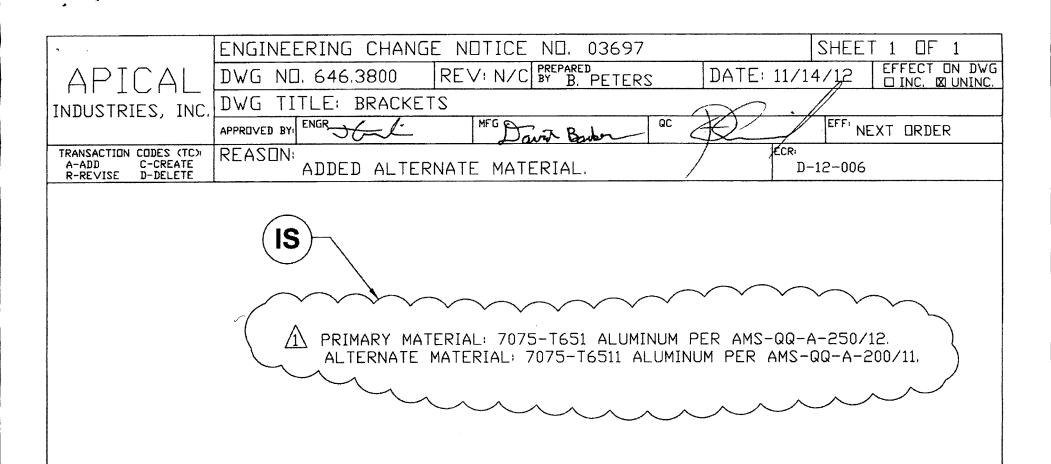
DART AEROSPACE	ELTD	Work Order:	108006
Description:		Part Number:	
Inspection Dwg:	Rev:		Page 1 of 1

## FIRST ARTICLE INSPECTION CHECKLIST

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of inspection	Comments
. 75	10. ±	. 758	J		MH-04	Calipen
. 63	t .01	. હા				
- 06	t.01	-063	<b>V</b>			
- 03	10. ±	.031	<b>√</b>			
. J22	± -01	2.9505	1			
2.45	t.01	1.451			V	-
S.6°	t 450 .50	3.60	J <sub>_</sub>		ansie finde	
113.6°	± .50	//3·6°			1	
K-06	+ .01	.06	$\mathcal{J}$		rud svase	
						· ·
			,			
	`					

Measured by:	Audited by:	ント	Preliminary Approval:	
Date: \3/n/09	Date:	13-11-11	Date:	

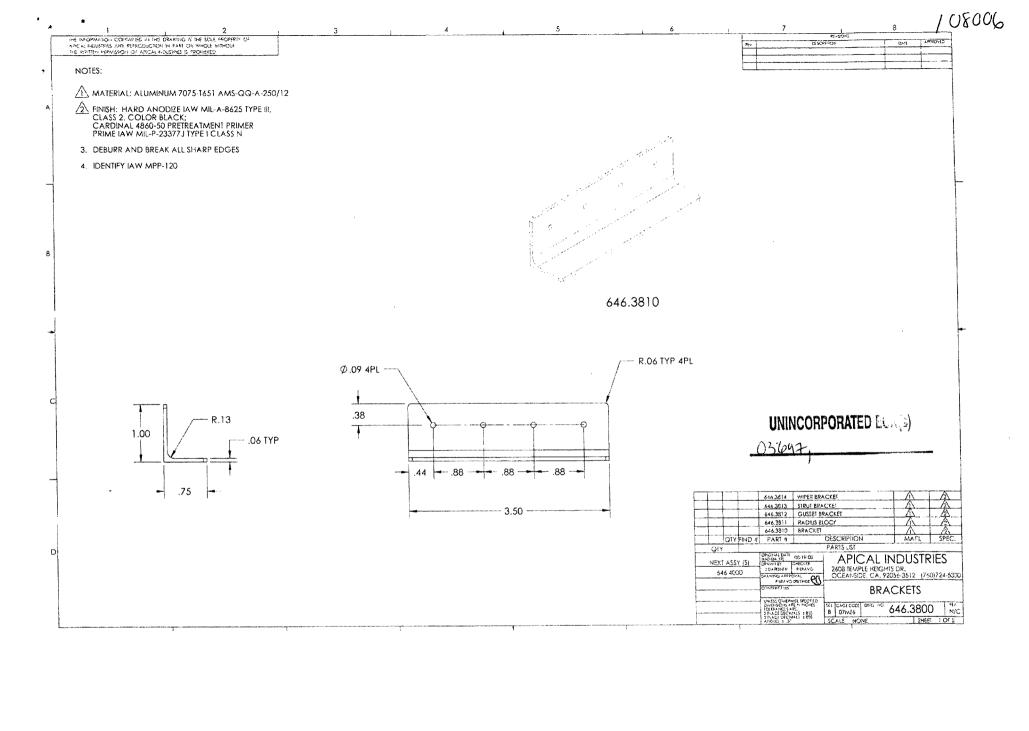
Rev	Date	Change (1)	Revised by	Approved
E	10.04.14	Added preliminary approval	KJ	

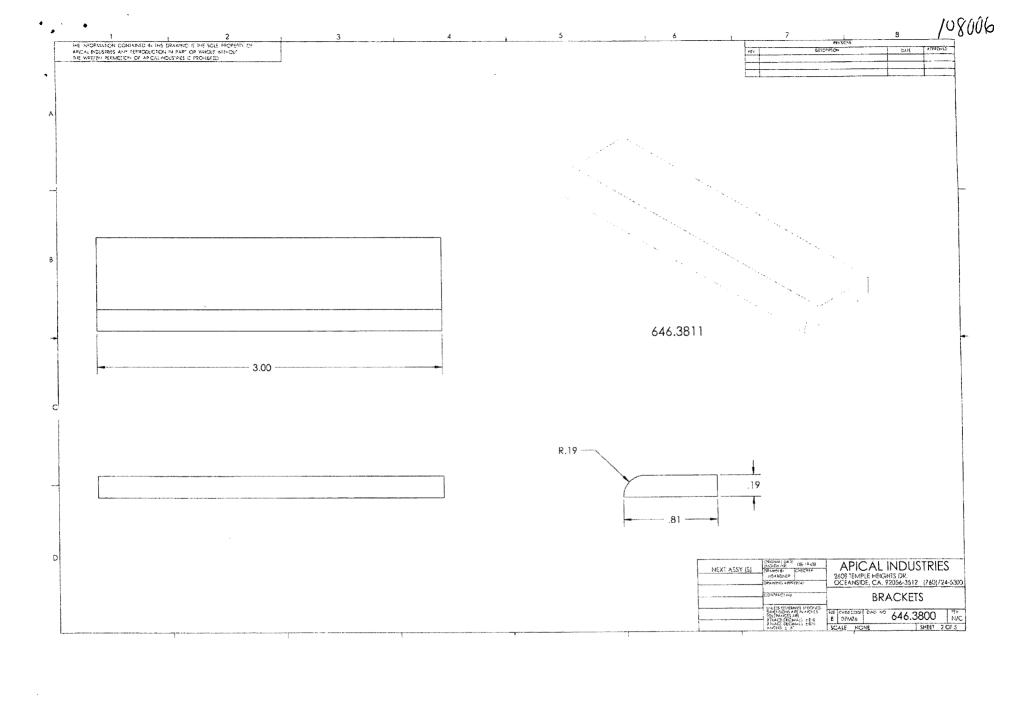


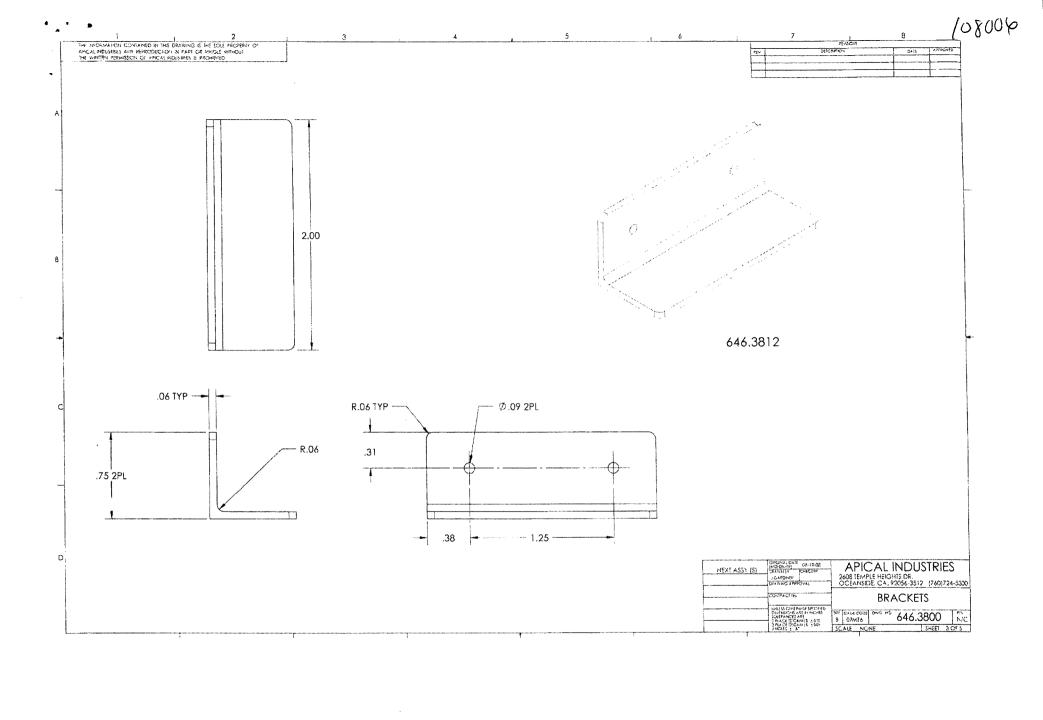
## SHEET 1, ZONE A2 IS:

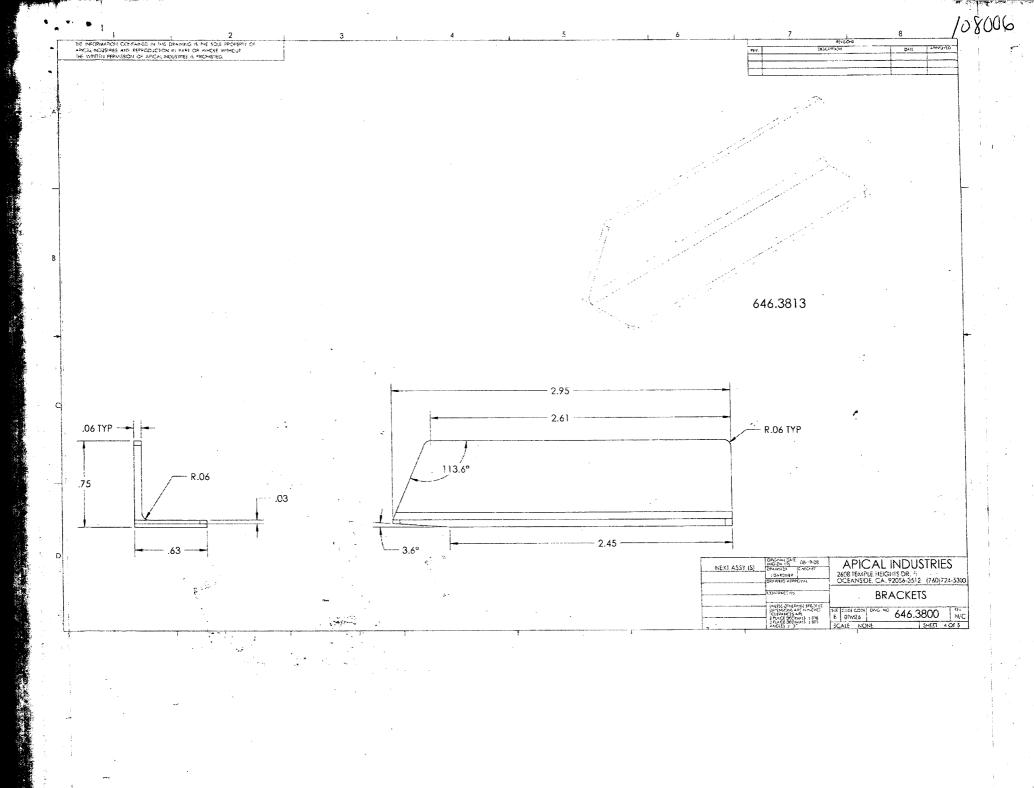
108006 MLJ

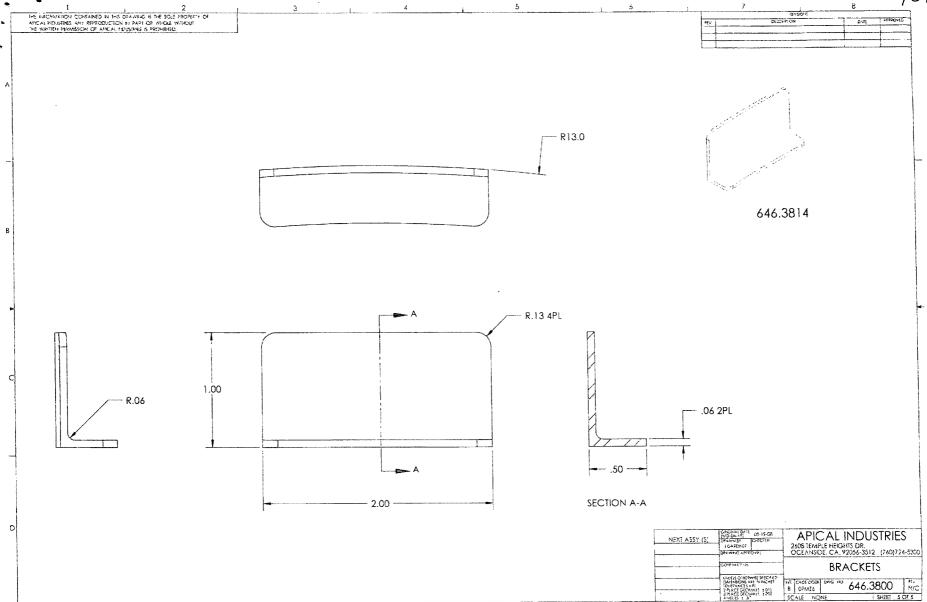
·						
F/N TC PART NUMBER	DESCR	IPTION		MATERIAL	•	SPECIFICATION
DOCUMENTS EFFECTED:	☐ RFMS ☐ MDL I	☐ INSTALL INSTRUC	□ ICA □ BE	CHANGE CATEGORY  MINOR  MINOR		VIEW REQUIRED













A.T.G. Industries Inc. 731, rue Industrielle Rd. PLATING DEPARTMENT Rockland, On K4K 1T2 Canada

Ph: (613) 446-4544 Fax: (613) 446-4556

## Pack List

Number: 62765

Date: 02-Dec-13

То

DART AEROSPACE LTD 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7 Canada Ship To

DART AEROSPACE LTD 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7

Canada

Ph: 613-632-5200

Fax: 613-632-1185

Ph: 613-632-5200

Fax: 613-632-1185

Terms		Ship Via						
Quantity	Description							
1	Part: ASST		Rev:					
lot								
	6 PCS 646.2910 (48.00)							
	4 PCS 646.3810 (6.55) / 4 PCS 646.3812 (5.45) /							
	20 PCS 646.3813 (6.10) <							
	8 PCS 647.5710 (12.75) / 10 PCS 649.5311 (20.15) /							
•	8 PCS 649.5312 (9.80) <sup>c</sup>							
	3 PCS 647.1814 (6.90)/							
<del>-</del>	9 PCS 646.3813 (6.10) 3 PCS 647.1815 (6.90)							
	29 PCS 647.9310 (18.00) <sup>7</sup>							
	26 PCS 647.9315 (14.35) (14.35							
	20 FC3 047.9711 (14.50) /							
	LIABO ANODIZE DI ACK							
	HARD ANODIZE BLACK MIL-A-8625 TYPE III CLASS 2							
	PRIME MIL-P-23377J TYPE I CLAS							
	Job: 20130745	PO: 22038	Line:					
: :	Certificate of Conformance							
	A.T.G. Industries certifies that all items in this shipment are in conformance with all requirements, specifications and drawings referenced in the purchase order.  ISO 9001 : 2008 REGISTERED							
	ATG SALES-2010 TEF	RMS APPLY						
	DATE: $\frac{\omega}{12/13}$			,				
	CERTIFIED SIGNATURE :							
	-							
	RECEIVER SIGNATURE :			•				